

SEQUENCE LISTING

<110> Gerald, Christophe P.G.
 Jones, Kenneth A.
 Bonini, James A.
 Borowsky, Beth

<120> DNA Encoding Mammalian Neuropeptide FF (NPFF) Receptors
 and Uses Thereof

<130> 1795/57155-A

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<150> 09/161,113

<151> 1998-09-25

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<170> PatentIn Ver. 2.0 - beta

<210> 1

<211> 1410

<212> DNA

<213> Rattus norvegicus

<400> 1

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 <212> DNA
 <213> Homo sapiens

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Val Leu
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<212> PRT

<213> Homo sapiens

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Thr Tyr Val Asn Tyr Tyr Leu His Gln Pro Gln Val Ala Ala Ile Phe
 35 40 45

Ile Ile Ser Tyr Phe Leu Ile Phe Phe Leu Cys Met Met Gly Asn Thr
 50 55 60

Val Val Cys Phe Ile Val Met Arg Asn Lys His Met His Thr Val Thr
 65 70 75 80

Asn Leu Phe Ile Leu Asn Leu Ala Ile Ser Asp Leu Leu Val Gly Ile
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Phe Cys Met Pro Ile Thr Leu Leu Asp Asn Ile Ile Ala Gly Trp Pro
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Phe Gly Asn Thr Met Cys Lys Ile Ser Gly Leu Val Gln Gly Ile Ser
 115 120 125

Val Ala Ala Ser Val Phe Thr Leu Val Ala Ile Ala Val Asp Arg Phe
 130 135 140

Gln Cys Val Val Tyr Pro Phe Lys Pro Lys Leu Thr Ile Lys Thr Ala
 145 150 155 160

Phe Val Ile Ile Met Ile Ile Trp Val Leu Ala Ile Thr Ile Met Ser
 165 170 175

Pro Ser Ala Val Met Leu His Val Gln Glu Glu Lys Tyr Tyr Arg Val
 180 185 190

Arg Leu Asn Ser Gln Asn Lys Thr Ser Pro Val Tyr Trp Cys Arg Glu
 195 200 205

Asp Trp Pro Asn Gln Glu Met Arg Lys Ile Tyr Thr Thr Val Leu Phe
210 215 220

Ala Asn Ile Tyr Leu Ala Pro Leu Ser Leu Ile Val Ile Met Tyr Gly
225 230 235 240

Arg Ile Gly Ile Ser Leu Phe Arg Ala Ala Val Pro His Thr Gly Arg
245 250 255

Lys Asn Gln Glu Gln Trp His Val Val Ser Arg Lys Lys Gln Lys Ile
260 265 270

Ile Lys Met Leu Leu Ile Val Ala Leu Leu Phe Ile Leu Ser Trp Leu
275 280 285

Pro Leu Trp Thr Leu Met Met Leu Ser Asp Tyr Ala Asp Leu Ser Pro
290 295 300

Asn Glu Leu Gln Ile Ile Asn Ile Tyr Ile Tyr Pro Phe Ala His Trp
305 310 315 320

Leu Ala Phe Gly Asn Ser Ser Val Asn Pro Ile Ile Tyr Gly Phe Phe
325 330 335

Asn Glu Asn Phe Arg Arg Gly Phe Gln Glu Ala Phe Gln Leu Gln Leu
340 345 350

Cys Gln Lys Arg Ala Lys Pro Met Glu Ala Tyr Ala Leu Lys Ala Lys
355 360 365

Ser His Val Leu Ile Asn Thr Ser Asn Gln Leu Val Gln Glu Ser Thr
370 375 380

Phe Gln Asn Pro His Gly Glu Thr Leu Leu Tyr Arg Lys Ser Ala Glu
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Ser Ser Glu Ile
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<212> DNA

<213> Homo sapiens

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35 40 45
Ala Tyr Ala Leu Ile Phe Leu Leu Cys Met Val Gly Asn Thr Leu Val
50 55 60
Cys Phe Ile Val Leu Lys Asn Arg His Met His Thr Val Thr Asn Met
65 70 75 80
Phe Ile Leu Asn Leu Ala Val Ser Asp Leu Leu Val Gly Ile Phe Cys
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Met Pro Thr Thr Leu Val Asp Asn Leu Ile Thr Gly Trp Pro Phe Asp
100 105 110

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Ile	Val	His	Pro	Phe	Arg	Glu	Lys	Leu	Thr	Leu	Arg	Lys	Ala	Leu	Val		
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Glu	Lys	Gly	Met	Arg	Arg	Val	Tyr	Thr	Thr	Val	Leu	Phe	Ser	His	Ile		
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Arg	Lys	Leu	Cys	Gln	Ala	Pro	Gly	Pro	Ala	Pro	Gly	Gly	Glu	Glu	Ala		
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Leu	Val	Thr	Val	Tyr	Ala	Phe	Pro	Phe	Ala	His	Trp	Leu	Ala	Phe	Phe		
305					310					315					320		
Asn	Ser	Ser	Ala	Asn	Pro	Ile	Ile	Tyr	Gly	Tyr	Phe	Asn	Glu	Asn	Phe		
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Arg	Arg	Gly	Phe	Gln	Ala	Ala	Phe	Arg	Ala	Arg	Leu	Cys	Pro	Arg	Pro		
			340					345					350				
Ser	Gly	Ser	His	Lys	Glu	Ala	Tyr	Ser	Glu	Arg	Pro	Gly	Gly	Leu	Leu		
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His	Arg	Arg	Val	Phe	Val	Val	Val	Arg	Pro	Ser	Asp	Ser	Gly	Leu	Pro		
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Ser Glu Ser Gly Pro Ser Ser Gly Ala Pro Arg Pro Gly Arg Leu Pro
 385 390 395 400

Leu Arg Asn Gly Arg Val Ala His His Gly Leu Pro Arg Glu Gly Pro
 405 410 415

Gly Cys Ser His Leu Pro Leu Thr Ile Pro Ala Trp Asp Ile
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<210> 9
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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: primer/probe

<400> 9
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23

<210> 10
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<210> 11
 <211> 25
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<220>
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<400> 11
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<210> 12
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 <213> Artificial Sequence

<220>

105250-01239500

<223> Description of Artificial Sequence: primer/probe

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<211> 26

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer/probe

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<211> 26

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer/probe

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<210> 15

<211> 24

<212> DNA

<213> Artificial Sequence

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<211> 60

<212> DNA

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<223> Description of Artificial Sequence: primer/probe

<400> 21

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<210> 22

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<212> DNA

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<210> 23

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer/probe

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24

<210> 24

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer/probe

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<210> 25

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<212> DNA

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<223> Description of Artificial Sequence: primer/probe

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<210> 34
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<210> 35
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<400> 35
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<210> 36

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<400> 36
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25

<210> 37

<211> 37

<212> DNA

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<223> Description of Artificial Sequence: primer/probe

<400> 37
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37

<210> 38

<211> 36

<212> DNA

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<400> 38
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36

<210> 39

<211> 24

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: primer/probe

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ctcctactac caacactcct ctcc

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<210> 40
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<212> DNA
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<210> 42
<211> 25
<212> DNA
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<220>
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25